

FIG.1

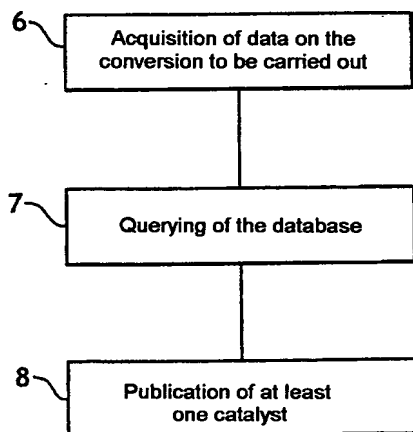


FIG.17

5a

Compound			
ID	Name	MOLE_ID	No.PartComp
1	Bromo-aryl-Imino-nitrile Rep1	1	2
2	Keto-aryl-ether-alken Rep2	2	2
3	Iodo-aryl-ether-alken Rep3	3	2
4	Ester-hetero-Iminium Rep4	4	1
5	Bromo-aryl-amino-nitrile Rep1	5	2
6	Aryl-amino-nitrile Rep1	6	2
7	alkyl-aryl-ether-alken Rep2	7	2

FIG.2

5b

TblPartComp			
ID_PartComp	ID_Compound	Name	Amount
32	6	R1-Arylimin	1
33	7	R2-Arylketone	0
34	7	R2-1-Alkylalken	2
35	8	R2-Arylketone	2
36	8	R2-1-Alkylalken	1

FIG.3

5c

Mixture		
ID	ID_Reactant	ID_Catalyst
403	102	843
410	796	258
412	102	859

FIG.4

5h

Reactant	
ID	Name
102	EtOH
796	EtOH/AcOH
854	EtOH 50%H2O
861	EtOH 5Et3N
864	EtOH 5%Et3N

FIG.5

5i

Catalyst	
ID	Name
195	Rh/C
200	Pd/C
202	Nothing/H2
204	Pd/Al2O3
205	Pd/BaSO4
207	Ru/C
209	Ra/C
217	Ni/SiO2
220	Ir/C

FIG.6

5d

Chromato					
ID	Date of the injection	ID_Mixture	ID_Compound	Type of Chromato	Program
385	30/07/2002	367	2	Block 2+ Er2O3	120
386	30/07/2002	360	2	Block 2+ Rh/C	120
387	30/07/2002	369	2	Block 2+ Ir/CeCO3	120
388	30/07/2002	398	2	Block 2+ Pd/CeCO3	120
369	30/07/2002	421	2	Block 2+ Ni/Raney	120
370	30/07/2002	382	2	Block 2+ Pd/CeCO3.Pb	120
371	30/07/2002	373	2	Block 2+ Tungsten	120
372	30/07/2002	374	1	Block 1+ Rh/Al2O3	120
373	30/07/2002	398	1	Block 1+ Pd/CeCO3	120
374	30/07/2002	380	1	Block 1+ Rh/C	120
375	30/07/2002	421	1	Block 1+ Ni/Raney	120
376	30/07/2002	369	1	Block 1+ Ir/CeCO3	120

FIG.7

5e

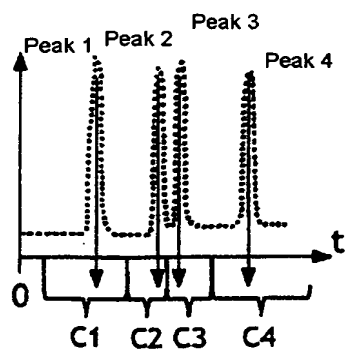
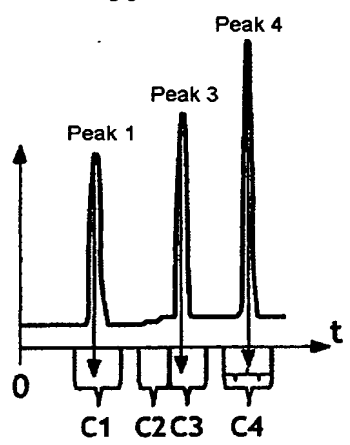
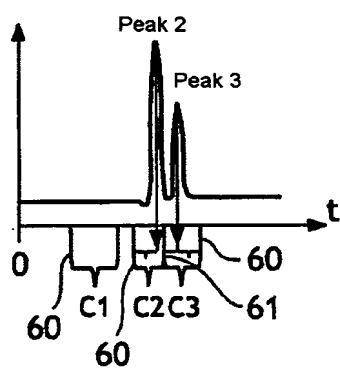
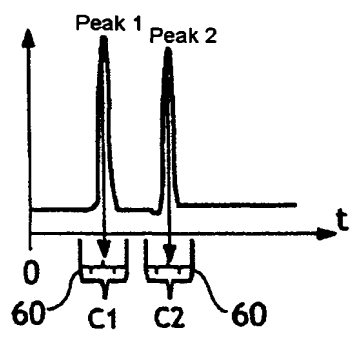
Signal					
ID_Signal	ID_Chromato	ID_Compound	Retention Time	Yield	Surface Area
766	383	2	14.18	99.32	30 837 520.00
767	383	8	14.22	0.88	212 537.00
768	384	17	13.55	0.49	242 023.00
769	384	17	13.80	0.78	386 954.00
770	384	17	16.85	1.43	707 243.00
771	384	2	13.94	0.55	272 790.00
772	384	2	14.18	72.67	35 921 440.00
773	384	8	14.26	22.74	11 243 230.00
774	384	8	14.37	1.33	657 996.00
775	385	2	14.23	99.04	35 814 740.00
776	385	8	14.26	0.96	347 937.00

FIG.8

RESULT						
Number	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6
10	EtOH + Ac. acid	1	0		Block 1 + Rh/Al EtOH/5% Acetic acid	8
11	EtOH + Ac. acid	2	0		Block 1 + Rh/Al EtOH/5% Acetic acid	8
12	EtOH + Ac. acid	1	15.539	773708	Block 1 + MnO EtOH/5% Acetic acid	9
13	EtOH + Ac. acid	1	15.398	204084	Block 1 + Rh/C EtOH/5% Acetic acid	10
14	EtOH + Ac. acid	2	15.535	571439	Block 1 + Rh/C EtOH/5% Acetic acid	10
15	EtOH + Ac. acid	3	15.838	380484	Block 1 + Rh/C EtOH/5% Acetic acid	10

FIG. 9

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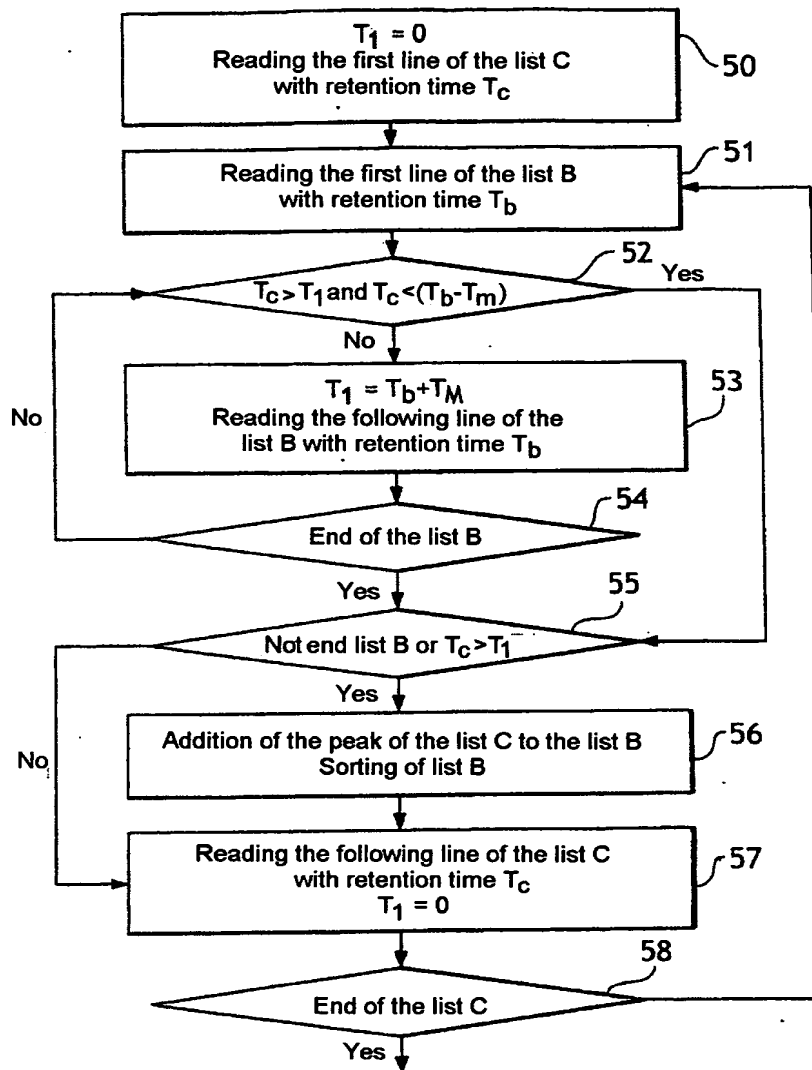


FIG.14

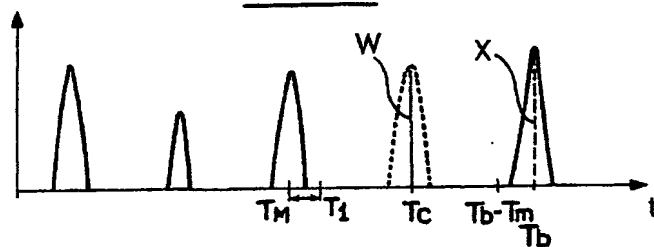


FIG.15

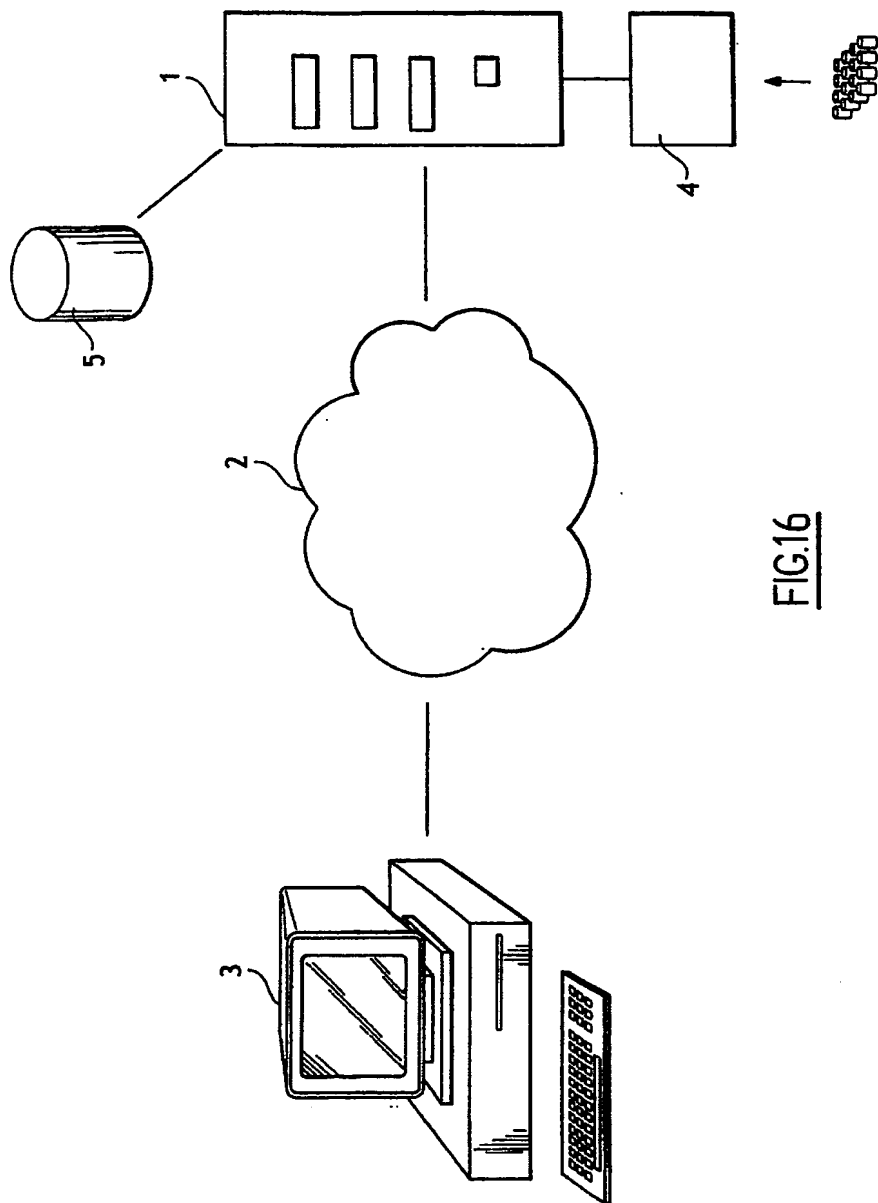


FIG.16

Yield	1st Functional group			Medium	Yield	2nd Functional group		
100.00	2	Aryketone	2	355	99.40	2	1-Alkylalken	2
99.40	2	1-Alkylalken	2	355	100.00	2	Aryketone	2
100.00	1	Arom-N-O	1	356	5.28	1	Aryliodim	0
100.00	2	Arylimin	1	356	94.72	1	Aryliodim	1
100.00	1	Arom-N-O	1	356	100.00	2	3-Alkylalken	2
100.00	1	Arylbromin	0	356	100.00	2	3-Alkylalken	2
100.00	2	Arylimin	1	356	100.00	2	3-Alkylalken	2
100.00	2	1-Alkylalken	1	356	5.28	1	Aryliodim	0
5.28	1	Aryliodim	0	356	100.00	2	3-Alkylalken	2
100.00	2	3-Alkylalken	2	356	5.28	1	Aryliodim	0
100.00	2	Aryketone	2	356	100.00	2	3-Alkylalken	2
100.00	2	Arylimin	1	356	5.28	1	Aryliodim	0
100.00	2	Aryketone	2	356	100.00	2	1-Alkylalken	1
100.00	2	Aryketone	2	356	94.72	1	Aryliodim	1
100.00	2	3-Alkylalken	2	356	94.72	1	Aryliodim	1
100.00	1	Arom-N-O	1	356	94.72	1	Aryliodim	1
100.00	1	Arylbromin	0	356	94.72	1	Aryliodim	1
100.00	2	Aryketone	2	356	5.28	1	Aryliodim	0
100.00	2	Arylimin	1	356	100.00	2	1-Alkylalken	1
100.00	2	Arylimin	1	356	100.00	2	Aryketone	2
100.00	1	Arylbromin	0	356	100.00	2	Aryketone	2
100.00	1	Arom-N-O	1	356	100.00	2	Aryketone	2
94.72	1	Aryliodim	1	356	100.00	2	Aryketone	2
5.28	1	Aryliodim	0	356	100.00	2	Aryketone	2
94.72	1	Aryliodim	1	356	100.00	2	3-Alkylalken	2
100.00	2	1-Alkylalken	1	356	100.00	2	Aryketone	2
100.00	2	1-Alkylalken	1	356	94.72	1	Aryliodim	1
100.00	1	Arylbromin	0	356	100.00	2	1-Alkylalken	1
100.00	1	Arom-N-O	1	356	100.00	2	1-Alkylalken	1

FIG.18

Yield	1st Functional group			Medium	Yield	2nd Functional group		
100.00	1	Arylbromin	0	356	100.00	2	Aryketone	2
100.00	1	Arylbromin	0	391	96.36	2	Aryketone	2

FIG.19